

SOLAR PANELS AND INSTALLATION PACKAGE F823S



Year 1
study

Description

Available as an optional extra, the F823S Solar Panels and Installation Kit provides all the components necessary to run the F823 from natural solar radiation, where conditions are suitable. Customers are expected to carry out the installation work and to provide a simple framework to support the panel. The kit includes 2 high efficiency collecting panels, a water flow meter and thermocouples (to be connected to the F823 Temperature Indicator) and all necessary connecting pipework and fittings. All F823 machines are factory fitted with external unions, a pump and a diverter valve, which enable the unit to be quickly connected to a solar energy hot water system. The standard resistance heater may be switched on to augment the solar input when necessary. Please note that the panels and frames shown are not to scale

Related Laws/Applications

- Solar Radiation
- Chemical Engineering
- Marine Engineering
- Mechanical Engineering
- Plant and Process Engineering
- Environmental Engineering

Learning capabilities

- Demonstration of the production of shaft work from solar radiation.
- Measurement of solar energy collection at a range of mean water temperatures.

Technical Specification

- Two type K thermocouples
- 30m coil of 12.7mm external dia. copper tube
- 30m thermal insulation

Essential Ancillaries

- F823

What's in the Box?

- Two flat plate solar collectors
- Water flow meter
- Two type K thermocouples
- 30m coil of 12.7mm external dia. copper tube
- 30m thermal insulation
- Air vent and relief valve.
- Expansion vessel
- Set of pipe fittings for connecting components to panel of unit.

Essential Services

- F823

Ordering information

To order this product, please call PA Hilton quoting the following code:
F823S

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COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS